

Serial No. 09/883,342  
Reply to Office Action of April 28, 2004  
Reply dated July 27, 2004

Docket No. K-0075A

**Amendments to the Abstract:**

✓  
*Please replace the originally filed Abstract with the following new Abstract:*

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Q<sup>10</sup>  
A method and apparatus for determining frame quality in a mobile communication system determines frame quality by estimating a received SIR without using a CRC under a control hold state in which PCBs are only transmitted while no data transmission actually occurs. The method for determining frame quality includes ~~the steps of:~~ estimating a signal to ~~noise power~~ interference ratio of an allocated traffic channel from PCBs extracted from PCGs of a frame received through the traffic channel and a signal received through a pilot channel received during a section of the PCGs in a state that no data transmission occurs between a mobile station and its control system and the PCBs are only transmitted and received through the traffic channel; and comparing the estimated signal to ~~noise power~~ interference ratio with a preset reference signal to noise power ratio to determine quality of the received frame.

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